

Plant License

authorizing possession
of 6000 lbs.
of Thorium.

Attempt to cancel
and NY State

response attached.
Thorium behind Bldg. 166
found afterwards.

October 18, 1966

Radiological Health Unit

Union Carbide Corporation
Olefins Division
P.O. Box 66
137-47th Street
Niagara Falls, New York

COL Application No. 2436

Att: Mr. A. H. Sceder

Gentlemen:

Enclosed herewith is your amended New York State License No. 950-0139, Reference No. 2, to possess and use Natural Thorium. This supersedes License No. 950-0139, Reference No. 1, including Amendment No. 1 thereto, in its entirety.

If we can be of further assistance to you on this matter, please contact our Licensing Section.

Very truly yours,

Morris Kleinfeld, M.D.
Director

By: Robert E. Swencicki, M.D.
Chief, Radiological Health Unit

JA /v
Encl.

cc R. Vessels

UCCNHT0003690

STATE OF NEW YORK
RADIOACTIVE MATERIALS LICENSE

~~XXXXXXXXXXXX~~
AMENDMENT

Pursuant to the Labor Law and Industrial Code Rule No. 38, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect of all appropriate regulatory agencies and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Name Union Carbide Corporation Clemons Division P. O. Box 66</p> <p>2. Address 137 47th Street Niagara Falls, New York</p>	<p>3. License number 950-0139</p> <hr/> <p>4. Expiration date valid until terminated</p> <hr/> <p>5. Reference number 2</p>	
<p>6. Radioactive materials (element and mass number)</p> <p>1. Thorium (Natural)</p>	<p>7. Chemical and/or physical form</p> <p>1. Contaminant in pyrochlore ore and slag consisting mainly of oxides of aluminum, calcium, and magnesium</p>	<p>8. Maximum quantity licensee may possess at any one time</p> <p>1. 6000 pounds</p>

CONDITIONS

9. Authorized use. (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)
1. Processing and smelting of Brazilian Columbite Ores to produce ferrocolumbium metal, including storage and burial of source contaminated slag in accordance with Item 11.
10. The licensee shall conduct operations involving the possession and use of sources of radiation in compliance with the requirements of New York State Industrial Code Rule No. 38, "Radiation Protection".
11. The agreement material described in Items 6, 7 and 8 above:
- A. Shall be used only by or under the supervision of the following named individuals:

E. W. Shustik	(Paul McDaniel)	A. H. Soeder
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FOR THE NEW YORK STATE DEPARTMENT OF LABOR

Date _____

by _____

STATE OF NEW YORK
RADIOACTIVE MATERIALS LICENSE

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Page _____ of _____ Pages

950-0139
License Number _____
Reference Number: 2

- B. Shall be possessed and used by the licensee in accordance with statements, representations and procedures contained in his application dated March 26, 1965, and in related documents as follows, except where otherwise authorized elsewhere in this license:
1. His letter dated April 7, 1965 to the New York State Department of Labor, signed by R. L. Folkman.
 2. His letters dated July 20, 1966 and August 3, 1966 to the New York State Department of Labor, signed by A. H. Soeder.
 3. The State of New York Department of Labor Notice of Plan Approval No. BEP-142-66 (Conditional) dated September 30, 1966 and the State of New York Air Pollution Control Board Notice of Plan and/or Report Approval No. BEAP-119-66 (Conditional) dated September 30, 1966.
13. The licensee shall submit revised plans and specifications of the exhaust system authorized in Item 11.B.3 above, or any new system involving the agreement material, to the Division of Industrial Hygiene for approval prior to making alterations of or additions to the system as specified in the State of New York Notice of Plan Approval.
14. The licensee shall dispose of radioactive waste in accordance with the provisions of Part 16, New York State Sanitary Code and the New York State Department of Health letter referencing "Exemption Burial" dated May 28, 1965 from Sherwood Davies to A. H. Soeder of Union Carbide Corporation and amendments thereto.

Date October 18, 1966
JA/v

FOR THE NEW YORK STATE DEPARTMENT OF LABOR

by Robert E. Swencicki, M.D.

Robert E. Swencicki, M.D.
Chief - Radiological Health Unit

FOR: Morris Kleinfeld, M.D., Director, DII

March 30, 1965 - Sent copy of entire file to A. H. Soeder.

fae

New York Records Center
Union Carbide Corporation
270 Park Avenue - 3rd Floor
New York, New York

March 10, 1965

Works Manager's Department

Messrs: F. L. Evans (no enc.)
R. L. Folkman (no enc.)
W. H. Hubler + conformed copies
Author - File

Radioactive Materials License -
New York State - Clifins and Metals
Division of UCC

The attached cover letter and Radioactive Materials License No. 850-013, issued by the Department of Labor, State of New York, superseding our existing USAEC license No. SUB-469 which has terminated, issued to the Clifins and Metals Division of Union Carbide Corporation, P. O. Box 580, Niagara Falls, New York, pertains to slag stored at the Niagara Falls plant which contains uranium oxide. This slag was obtained when processing the "Porter Bros." slag utilized in the production of ^{235}U .

Please properly file this license and inform me when this has been done.

ORIGINAL SIGNED BY
G. G. BORDEN
G. G. Borden

GCL:fa
Encs. Original contract and
Cover Letter

UCCNHT0003693



STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL HYGIENE

60 CENTRE STREET
NEW YORK, N. Y. 10119

January 15, 1966

Biological Health Unit

Centers and Metals Division
Union Carbide Corporation
P. O. Box No. 500
Niagara Falls, N. Y.

January 7, 1966

Attn: E. C. Polman, Manager, Special Alloys

Dear Sir:

As stated we will be your lead for the...
and...
...terminated.

Very truly yours,

...

...

License Number: UCCNHT0003696

10. The licensee shall conduct operations involving the possession, use, or disposal of sources of ionizing radiation in compliance with the requirements of New York State Industrial Code Rule 6-30, "Radiation Protection," and sections of Chapter 400, Title 10, Code of Official Regulations, as is pertinent to the operation, and not in conflict with Code rule 30 or the conditions of this license.

11. The authorized place of use includes the facilities of the licensee at the above address.

12. The agreement materials described in Items 6, 7, and 8 above:

A. Shall be used only by or under the supervision of the following named individuals:

Paul J. Coniel

B. It shall not be administered to human beings either internally or externally or used for products being distributed to the public, except where otherwise authorized elsewhere in this license.

C. Shall be possessed and used by the licensee in accordance with statements, representations and procedures contained in his application dated _____, and in related documents as follows:

1. Licensee's application to UCAEC dated September 14, 1961, as amended dated October 20, 1961.
2. Letter dated December 23, 1961, signed by W. L. Folkert.
3. Letter dated May 24, 1962, signed by John F. Langrau.

D When in the form of sealed sources:

1. Shall not be opened or removed from the _____ by the licensee.
2. Shall be installed, repaired, relocated, modified, or tested on license holder's premises unless an affidavit is required in accordance with 38.26 and disposed of only by _____ or other persons licensed or authorized to perform such services by the Industrial Commissioner, the U.S. Atomic Energy Commission, or a proprietary agency, or another agreement. In the absence of certification from a transferor certifying that a leakage test has been performed during the six months prior to its receipt by the licensee, the source shall be so tested prior to use. Alpha-emitting sources shall be leak-tested at three-month intervals.
3. Sealed sources, other than gaseous radioactive emitters or those with a half life less than 30 days, fabricated by the licensee shall be leak-tested prior to shipment.
13. Any disposal of radioactive waste by the licensee shall be in accordance with the provisions of Article 175, New York City Health Code in New York City and Part 16, New York State Sanitary Code, elsewhere in the state. Records shall be kept of all disposal by burial, through the sanitary sewer, or other means to the environment, and where necessary monitoring procedures shall be instituted to assure the concentrations and quantities so disposed are within permissible limits.
14. Where needed or where required, plans and specifications for exhaust systems for hoods, storage areas and other locations where radioactive material is used or stored shall be submitted to the Division of Industrial Hygiene for approval prior to installation by the licensee. The installation of the exhaust system shall be made as approved plans as determined by test by the Division of Industrial Hygiene.
15. An administrative procedures manual, containing instructions and safety precautions and safe working techniques when working with radioactive materials shall be prepared by the licensee. This manual shall be followed and a copy thereof furnished to each person working with or having responsibility for such materials and to the Industrial Commissioner. Changes in the manual shall be submitted to the Commissioner for review prior to issuance.

For The New York State Department of Labor
By _____

William Solomon, Ph. D., J.D.
Chief, Radiological Health Unit

For: Morris Kleinfeld, Director, DIH

Date Jan 15, 1964

AP4:ds